

Enable optical module port on the switch



AI Overview

To use an optical module port on a switch, insert a compatible SFP/SFP+ module carefully, connect the fiber or copper cable, and verify the link status via the switch interface or CLI.

Physical Installation of the Optical Module

Check Compatibility: Ensure the switch supports the SFP/SFP+ module type, speed, and fiber type (single-mode or multi-mode) you plan to use, and confirm the port supports the module standard (e.g., 1G, 10G).

ESD Precautions: Wear a grounded wrist strap and handle the module by its sides only. Avoid touching the card-edge connectors to prevent electrostatic discharge damage.

Insert the Module: Align the module's key with the port keyway and slide it straight in until it clicks. Some modules have a latch or handle that must be engaged to secure the module.

Connect the Cable: Remove dust caps from both the module and fiber connector. Clean the fiber end-face with a lint-free wipe and isopropyl alcohol. Insert the fiber connector straight into the module until it clicks.

Hot-Swap Capability: Most modern switches allow SFP modules to be inserted or removed without powering off the device, but always follow vendor-specific guidance.

Verifying and Monitoring the Optical Connection

Check Port Status: Use the switch interface or CLI to confirm the module is recognized and the link is active. For example, on Extreme switches, run `show port configuration` to view speed, duplex, module type, and link status.

View Module Diagnostics: To monitor real-time parameters like transmit/receive optical power, temperature, and voltage, use commands such as `show ports transceiver information detail` on Extreme switches or `show fiber-ports-optical-transceiver` on Cisco Small Business switches.

Troubleshooting: If the link is inactive, check module compatibility, fiber type, cable cleanliness, and proper seating of the module. Ensure the module is certified for the switch if required.

Safety Considerations Optical modules contain Class 1 lasers; avoid staring into the fiber end. Do not force the module into the port; improper insertion...

Article Content

View the Optical Module Status on a Switch through the Command

Article ID:5568 View the Optical Module Status on a Switch through the Command Line Interface (CLI) Objective The Cisco Small Business Series Switches allow you to plug in a Small

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View the Optical Module Status on a Switch through the Command

This document uses the Moduletek SFP-10G-LR-BIDI optical module installed on an Extreme X690-48x-2q-4c switch as an example to demonstrate how to view port status and optical

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Installing an Optical Module

If an optical module cannot be completely inserted into an optical port, turn the optical module over and try again. Before connecting the optical fiber to the optical module, measure the input optical power

Displaying Optical Module Information

A switch must use optical or copper modules that have been certified for use on Huawei switches. Non-certified optical or copper modules cannot ensure transmission reliability and may affect service

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This article uses a Moduletek SFP-10G-SR optical module installed in a Gigamon GigaVUE-TA101 as an example to demonstrate how to enable ports and read optical module

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Holding the SFP module by its sides, insert the SFP module into the port on the switch. Slide the SFP module into the port until you hear it click. If the SFP module has a handle, push up on the handle to

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Report game issues for Gaijin games through the Community Bug Reporting System after signing in with your account.

Troubleshooting Tip: SFP/SFP+ transceivers port/fiber link is not ...

Replace the SFP module with a known good SFP module if available. Try installing it in another SFP port if available to see if the problem persists or goes away.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://estlascleaning.co.za>

Email: info@estlascleaning.co.za

Phone: +27 63 214 8579

Address: 22 Oxford Road, Parktown, Johannesburg, 2193, South Africa

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